



Bayer HealthCare
Animal Health

Material Safety Datasheet

CAS No NA
Date Issued: 27/06/2012
Bovitraz EC 12.5% Dip

Company Details

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1. Product and Company Identification

<u>Trade / Commercial Name</u>	Bovitraz EC 12.5% Dip		
<u>Chemical Name</u>			
<u>Formula</u>	Amitraz		
<u>Chemical Family</u>	Amitraz, aromatic hydrocarbons		
<u>Synonyms</u>			
<u>Un No</u>		<u>Hazchem Code</u>	N/A
<u>ERG No</u>	0	<u>EAC</u>	0

2. Hazards Identification

Harmful if swallowed (R22)

Do not breathe vapour. Avoid contact with skin. If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.

May cause lung damage if swallowed. Safety Phrases Do not breathe vapour. Avoid contact with skin. If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.

3. Composition

<u>Hazardous Components</u>	HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS
	Contains: Amitraz* 12.5 % Solvent naphtha (petroleum), heavy aromatic >60%
	* Amitraz ia an amidine; M,N-bis(2,4-dimethylphenyliminomethyl)methylamine

4. First Aid Measures

<u>First Aid Skin</u>	Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.
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General: Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.

Advice to doctor: See Section 11. Onset of clinical signs is within 4-6 hours. There is no specific antidote for amitraz. Apply standard decontamination procedures and symptomatic treatment considering possible solvent effects as described below.

First Aid Eyes

Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists.

First Aid Ingested

If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.

First Aid Inhalation

Inhalation of this product is a risk. In this event remove from exposure and perform artificial respiration if necessary.

5. Fire Fighting Measures

Extinguishing media: Sprayed water jet, foam, dry powder, CO₂, sand.

Fire and explosion hazards: Combustible product. Product has a flash point of > 95 °C.

Hazardous combustion products: Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides.

Fight fire in early stages if safe to do so. Wear respiratory protection.

Well ventilated areas: full face mask with combination filter,(offers no protection against carbon monoxide).

Enclosed premises: respirator with independent air supply.

Contain fire-fighting water.

6. Accidental Release Measures

Use any personal protective equipment listed in Section 8.

Prevent spillage from spreading or entering soil, waterways and drains.

Take up with absorbent material such as sawdust, peat or chemical binder. Fill material along with any contaminated soil etc., into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable container. Spread hydrated lime over the affected area. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Place cleaning materials into the same container.

Do not eat, drink or smoke during clean-up operation.

7. Handling And Storage

Pour the product using a funnel or other equipment to avoid splashing and gugging. Suitable container materials:

HDPE, LDPE

To maintain product quality, store below 30 degrees Centigrade

Store away from food, drink, feed, pets and uniformed persons.

Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits N/A

Controls N/A

Personal Protection Wear suitable protective clothing to prevent contamination of skin, eyes and personal clothing.

9. Physical & Chemical Properties

Physical: State Clear liquid

Colour: Yellow to yellow-brown

Odour: Slight characteristic smell

Boiling Point: Boiling range 215-300°C

Solidifying point: Not available

Density approx: 1.00-1.02 kg/L at 20°C

Vapour Pressure: 0.005 hPa at 20°C (amitraz)

Viscosity: Not available

Solubility in Water: Emulsifiable

pH: Not available

Flash Point: >95°C

Ignition Temperature: Not available

Explosive Limits: Not available

10. Stability And Reactivity

Conditions to Avoid Avoid oxidising agents

Incompatible Materials None

Other Always store in a securely closed and properly labelled container.
Store below 30 degrees Centigrade
Keep away from food, feed, pets and uniformed persons.
Keep out of reach of children

Thermal decomposition products include hydrogen cyanide, carbon monoxide, and nitrogen oxides.

11. Toxicological Information

Oral LD 50 Rat 1 000 - 2 000 mg/kg (of amitraz)

Dermal LD 50 Rat > 2 000 mg/kg (of amitraz)

Inhalation LC50 (rat) 65 mg/L (6h)(dust)(amitraz)

Eye: may irritate the eye

Skin: may irritate the skin

None of the ingredients of the formulation have been shown to produce reproductive or teratogenic effects.

None of the ingredients of the formulation have been shown to produce mutagenic effects.

Amitraz has been shown in animal tests to have no carcinogenic potential.

Other ingredients are not classified as carcinogens.

12. Ecological Information

Octanol/Water Partition log P = 5.5 at pH 5.8 and 25°C Co-efficient
Ecotoxicity

Fish toxicity

amitraz

LC50 0.74 mg/L (96h) Rainbow trout (*Salmo gairdneri*)

LC50 0.45 mg/L (96h) Bluegill (*Lepomis macrochirus*).

Daphnia toxicity

amitraz

LC50 0.035 mg/L (48h) Water flea (*Daphnia magna*)

Toxic to fish and horses. Do not contaminate ponds, waterways or drains with product or used containers.

13. Disposal Considerations

Disposal Method Product

After Intended Use

Disposal of unwanted spraywash should be into a pit of adequate size on level ground and away from watercourses, drains, dams, and tree roots. Triple or (preferably) pressure rinse empty containers, adding rinsate to spray wash. Do not dispose of undiluted chemicals on site. If not available bury containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

After spill or accident

Dispose of sealed containers at an approved local waste disposal site.

Disposal Method Packaging

Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the dip. Thereafter perforate and flatten the container, and bury it in an area reserved for this purpose as described above, under the section entitled Disposal method product.

14. Transport Information

		<u>Hazchem Code</u>	N/A
<u>ERG No</u>	0	<u>EAC</u>	0
<u>ARD/RID Class</u>	NR	<u>ARD/RID Hazard ID No</u>	NR
<u>IMDG-Shipping Name</u>	NOT CONTROLLED SUBSTANCE		
<u>IMDG Code</u>	N/A	<u>IMDG-Packaging Group</u>	N/A
<u>Marine Pollutant</u>	No		
<u>Class</u>			
<u>Subsidiary Risks</u>	None		

15. Regulatory Information

EEC Hazard Classification

Risk Phases

R22 Harmful if swallowed

Safety Phases

S2 "Keep out of reach of children"

National Legislation

National Road Traffic Act, 1996 (Act 93 of 1996)

Fire Brigade Services Act, 1987 (Act 99 of 1987)

Occupational Health and Safety Act, 1993 (Act 85 of 1993)

NON HAZARDOUS FOR TRANSPORT

16. Other Information

Reason for Alteration: General update. Revision 4. Revision date: 20 March 2008

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properness of the product.:

LAST PAGE

All information is given in good faith but without guarantee in respect of accuracy & no responsibility is accepted for errors or omissions or the consequences thereof.